

## CLAIMS

5        1. A storage medium attachable to a replaceable component of an apparatus, the storage medium comprising a hologram.

2. The storage medium of claim 1 wherein the storage medium further comprises a laser writeable storage medium.

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3. The storage medium of claim 1 wherein the hologram includes a company logo.

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4. The storage medium of claim 1 wherein the storage medium comprises an adhesive for attachment to the component.

5. The storage medium of claim 1 wherein the storage medium snap-fits to the component.

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6. The storage medium of claim 1 wherein the storage medium is readable.

7. The storage medium of claim 1 wherein the storage medium is writeable.

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8. A print cartridge comprising a storage medium.

9. The cartridge of claim 8 wherein the storage medium comprises a hologram.

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10. The cartridge of claim 8 wherein the storage medium comprises indicia of authenticity.

11. The cartridge of claim 8 wherein the storage medium comprises a  
5 laser writeable storage medium.

12. The cartridge of claim 8 wherein the cartridge comprises an ink jet  
printer cartridge.

10 13. A system comprising a R/W device and a component, wherein the  
component includes a R/W storage medium that interfaces with the R/W device.

15 14. The system of claim 13 wherein the storage medium includes at  
least one of a hologram and a laser writeable storage medium.

15 15. The system of claim 13 wherein the system further comprises a  
manufacturing line, the manufacturing line including the R/W device.

20 16. The system of claim 13 wherein the component includes a printer  
cartridge.

25 17. The system of claim 13 wherein the system further comprises an  
image forming device, the image forming device configured to receive the  
component and including the R/W device.

18. A method of reading data from a storage medium attached to a  
component, the method comprising:

emitting energy from a device positioned in proximity to the storage  
medium, wherein the device is at least one of readable and writeable;

30 detecting energy reflected from the storage medium; and  
determining a bit value based on the detected energy.

19. The method of claim 18 wherein the component is a printer cartridge.

20. The method of claim 18 wherein the device is housed in a printer.

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21. The method of claim 20 wherein the component is installed in the printer.

10 22. The method of claim 18 wherein the emitting comprises laser emission.

23. A method of writing data to a storage medium attached to a component comprising:

15 instructing a device, wherein the device is at least one of readable and writeable; and

emitting energy from the device, the emitting based on the instructing and the device positioned in proximity to the storage medium.

20 24. The method of claim 23 wherein the device is housed in a printer.

25 25. The method of claim 23 wherein the component includes a printer cartridge.

26. The method of claim 23 wherein the emitting includes laser emission.

25 27. A printer comprising components, at least one of the components having a laser storage medium attached thereto, wherein the storage medium is at least one of readable and writeable.

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28. A method of instructing an image forming device comprising:  
installing a component in the image forming device, the component  
having a storage medium attached thereto, the storage medium comprising  
stored information;

5        reading the stored information; and  
instructing the image forming device based on the stored information.

29. The method of claim 28 wherein the component includes a printer  
cartridge.

10      30. The method of claim 28 wherein the stored information indicates a  
characteristic of the component.

15      31. The method of claim 30 wherein the characteristic includes a  
characteristic selected from at least one of age, use, prior use, compatibility,  
manufacturer, and fluid level of the component.

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